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(54) COMPOSITION FOR COATING STEEL PLATES

(57)Abstract:

PURPOSE: The titled composition that is composed of a modified polyester resin obtained from a specific polyester resin and an epoxy resin and of an alkyl- etherified formaldehyde resin, thus showing excellent adhesion to metal, good foldability, high scratch resistance and erosion resistance.

CONSTITUTION: The objective composition is obtained by mixing e.g., (A) 30W 97wt% of a modified polyester resin obtained by reaction between (i) a polyester from the carboxylic components of 55W 99mol% of aromatic dicarboxylic acid, 45W 1mol% of aliphatic or alicyclic dicarboxylic acid and at least one of polycarboxylic acid selected from aromatic tri- or more carboxylic acids and from the glycol components of 20W 80mol% of alkylene oxide adduct to bisphenol A and 80W 20mol% of 2W 6C aliphatic polyhydric alcohol and (ii) an epoxy resin, with (B) 3W 30wt% of an alkyl-etherified formaldehyde resin and, when necessary, (C) 0W 60wt% of pigments.

any of (A), (B), (C) with (ii)

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A → i + ii
A + B (optional) C